

Abstract

The invention relates to a method for the dissociation of double-stranded nucleic acids in a solution into single-stranded nucleic acids. It is characterized in that the decomposition of the nucleic acids into single strands is performed by irradiation of electro-magnetic waves, the frequency and the intensity of the electro-magnetic waves being selected such that the hydrogen bridge bonds between nucleotides of a double-stranded nucleic acid being released by immediate interaction of the electro-magnetic radiation with the double-stranded nucleic acid.

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